

Chapter 3.3c

LIST OF 2008 CATEGORY 4A IMPAIRED WATERS



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Potomac and Shenandoah River Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
A01R-01-BAC Recreation	Piney Run Escherichia coli	4A			3.51	1998	2004
A02R-01-BAC Recreation	Catoctin Creek Escherichia coli	4A			7.21	2006	2002
A02R-02-BAC Recreation	North Fork Catoctin Creek Fecal Coliform Escherichia coli	4A 4A			4.12 2.45	1996 2004	2002 2002
A02R-03-BAC Recreation	South Fork Catoctin Creek Escherichia coli Fecal Coliform Escherichia coli Fecal Coliform	4A 4A 4A 4A			5.84 5.17 2.98 3.40	1996 1996 2002 2004	2002 2002 2002 2002
A03R-01-BAC Recreation	Limestone Branch Escherichia coli	4A			4.75	2002	2004
A05R-01-BAC Recreation	Cromwells Run Fecal Coliform	4A			3.60	1998	2003
A06R-01-BAC Recreation	North Fork Goose Creek Escherichia coli	4A			4.29	1998	2003
A07R-01-BAC Recreation	Beaverdam Creek Escherichia coli	4A			6.33	1998	2003
A08R-01-BAC Recreation	Goose Creek Escherichia coli	4A			4.76	2006	2003
A08R-01-BEN Aquatic Life	Goose Creek Benthic-Macroinvertebrate Bioassessments	4A			4.76	1998	2004
A08R-02-BAC Recreation	Little River Fecal Coliform	4A			6.11	1998	2003
A08R-02-BEN Aquatic Life	Little River Benthic-Macroinvertebrate Bioassessments	4A			6.11	1998	2004
A08R-03-BAC Recreation	Sycolin Creek Fecal Coliform	4A			9.95	1998	2003
A08R-04-BAC Recreation	South Fork Sycolin Creek Escherichia coli	4A			3.31	2002	2003
A12R-01-BAC Recreation	Fourmile Run Escherichia coli	4A			7.86	1994	2002
A15R-02-BAC Recreation	Accotink Creek Escherichia coli	4A			4.77	1998	2002



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Potomac and Shenandoah River Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
A17R-01-BAC	Cedar Run						
Recreation	Escherichia coli	4A			15.90	1996	2004
	Escherichia coli	4A			12.44	1998	2004
A17R-02-BAC	Licking Run						
Recreation	Escherichia coli	4A			6.58	1998	2004
A19R-01-BAC	Broad Run						
Recreation	Escherichia coli	4A			7.25	2002	2006
A19R-02-BAC	Broad Run						
Recreation	Escherichia coli	4A			1.50	2002	2006
A19R-03-BAC	Kettle Run						
Recreation	Escherichia coli	4A			7.60	2002	2006
A19R-04-BEN	South Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			2.31	1998	2006
A19R-05-BAC	Broad Run						
Recreation	Escherichia coli	4A			1.05	2004	2006
A20R-01-BAC	Occoquan River						
Recreation	Fecal Coliform	4A			1.61	2004	2006
	Escherichia coli	4A			3.37	2006	2006
A23R-01-BEN	Bull Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.79	1996	2006
A23R-02-BAC	Popes Head Creek						
Recreation	Escherichia coli	4A			4.93	2004	2006
A23R-02-BEN	Popes Head Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.93	1998	2006
A30E-01-PCB	Coan River, Monroe Creek, Upper Machodoc Creek						
Fish Consumption	PCB in Fish Tissue	4A	1.161			2004	2016
	PCB in Fish Tissue	4A	3.108			2006	2018
A31E-01-SF	Rosier Creek						
Shellfishing	Fecal Coliform	4A	0.206			1998	2010
A31E-04-SF	Monroe Creek						
Shellfishing	Fecal Coliform	4A	0.473			1998	2010
A31E-06-BAC	Mattox Creek						
Recreation	Enterococcus	4A	0.633			2006	2010
A31E-06-SF	Mattox Creek						
Shellfishing	Fecal Coliform	4A	0.623			1996	2010
A31E-07-SF	Popes Creek						
Shellfishing	Fecal Coliform	4A	0.573			1998	2014



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Potomac and Shenandoah River Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
A32E-01-SF Shellfishing	Cold Harbor Creek Fecal Coliform	4A	0.083			2004	2016
A32E-02-SF Shellfishing	Currioman Creek Fecal Coliform	4A	0.052			1998	2010
A32E-04-SF Shellfishing	Nomini Creek, Pierce Creek Fecal Coliform	4A	0.682			1998	2010
A32E-05-SF Shellfishing	Buckner Creek Fecal Coliform	4A	0.183			1998	2010
A32E-06-SF Shellfishing	North Prong Buckner Creek Fecal Coliform	4A	0.023			1998	2010
A32E-19-SF Shellfishing	Barnes Creek Fecal Coliform	4A	0.057			2008	2020
A33E-05-SF Shellfishing	White Point Creek Fecal Coliform	4A	0.079			1998	2010
A33E-07-SF Shellfishing	Hampton Hall Branch, Kinsale Branch Fecal Coliform	4A	0.434			1998	2010
A33E-09-SF Shellfishing	Mill Creek Fecal Coliform	4A	0.213			1998	2010
A33E-10-SF Shellfishing	Lodge Creek Fecal Coliform	4A	0.271			1998	2010
A33E-11-SF Shellfishing	Dungan Cove Fecal Coliform	4A	0.024			2004	2010
A34E-01-SF Shellfishing	The Glebe Fecal Coliform	4A	0.132			1998	2004
A34E-02-SF Shellfishing	Killneck Creek Fecal Coliform	4A	0.049			1998	2004
A34E-03-SF Shellfishing	Stevens Point Fecal Coliform	4A	0.039			1998	2004
A34E-04-SF Shellfishing	Coan River, UT Fecal Coliform	4A	0.054			1998	2010
A34E-05-SF Shellfishing	Headly Cove Fecal Coliform	4A	0.023			1998	2010
A34E-05-SF2 Shellfishing	Mill Creek and the Coan River Fecal Coliform	4A	0.104			1998	2010
A34E-15-SF Shellfishing	Little Wicomico River: Cod Creek Fecal Coliform	4A	0.079			1998	2003



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A34E-16-SF Shellfishing	Little Wicomico River Fecal Coliform	4A	0.206			1998	2003
A34E-18-SF Shellfishing	Bridge Creek Fecal Coliform	4A	0.088			2006	2003
B08R-01-BAC Recreation	Opequon Creek Escherichia coli	4A			24.81	2004	2010
B09R-01-BAC Recreation	Abrams Creek Fecal Coliform	4A			10.58	1996	2004
	Escherichia coli	4A			10.58	2008	2004
B09R-01-BEN Aquatic Life	Abrams Creek Benthic-Macroinvertebrate Bioassessments	4A			10.58	1996	2004
B09R-02-BAC Recreation	Opequon Creek Fecal Coliform	4A			9.10	1996	2004
	Escherichia coli	4A			9.10	2008	2004
B09R-02-BEN Aquatic Life	Opequon Creek Benthic-Macroinvertebrate Bioassessments	4A			9.10	2004	2004
B09R-03-BAC Recreation	Lick Run Escherichia coli	4A			8.85	2006	2004
B09R-04-BAC Recreation	Redbud Run Fecal Coliform	4A			8.05	2004	2004
	Escherichia coli	4A			8.05	2008	2004
B10R-01-BEN Aquatic Life	Cockran Spring Branch Benthic-Macroinvertebrate Bioassessments	4A			0.77	1996	2004
B10R-02-BAC Recreation	Middle River Escherichia coli	4A			15.68	2004	2004
	Fecal Coliform	4A			6.66	2006	2004
	Escherichia coli	4A			3.32	2008	2004
B10R-02-BEN Aquatic Life	Middle River Benthic-Macroinvertebrate Bioassessments	4A			15.68	1998	2004
B10R-03-BAC Recreation	Back Creek Fecal Coliform	4A			8.36	2004	2004
	Escherichia coli	4A			8.36	2008	2004
B10R-04-BAC Recreation	Edison Creek Fecal Coliform	4A			8.62	2004	2004
	Escherichia coli	4A			8.62	2008	2004
B12R-01-BAC Recreation	Lewis Creek Escherichia coli	4A			9.74	2004	2004
B12R-01-BEN Aquatic Life	Lewis Creek Benthic-Macroinvertebrate Bioassessments	4A			9.74	1996	2004



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Potomac and Shenandoah River Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
B13R-01-BAC	Moffett Creek						
Recreation	Fecal Coliform	4A			9.54	1996	2004
	Escherichia coli	4A			9.54	2008	2004
B13R-01-BEN	Moffett Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			9.54	1996	2004
B13R-02-BAC	Elk Run						
Recreation	Fecal Coliform	4A			4.00	2004	2004
	Escherichia coli	4A			4.00	2008	2004
B14R-01-BAC	Christians Creek						
Recreation	Fecal Coliform	4A			31.56	1996	2002
	Escherichia coli	4A			31.56	2004	2002
B14R-01-BEN	Christians Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			31.56	2004	2004
B14R-02-BAC	Folly Mills Creek						
Recreation	Fecal Coliform	4A			13.16	2004	2004
B14R-03-BAC	Long Meadow Run						
Recreation	Escherichia coli	4A			10.06	2006	2004
B15R-01-BAC	Middle River						
Recreation	Fecal Coliform	4A			17.56	1996	2004
	Escherichia coli	4A			43.05	2008	2004
B15R-02-BAC	Polecat Draft						
Recreation	Fecal Coliform	4A			7.42	1996	2004
B17R-01-BAC	North River						
Recreation	Fecal Coliform	4A			21.15	1996	2010
	Fecal Coliform	4A			3.38	2002	2010
	Escherichia coli	4A			15.70	2004	2010
B17R-02-BAC	Thorny Branch						
Recreation	Fecal Coliform	4A			7.11	2004	2016
B18R-04-BAC	Beaver Creek						
Recreation	Fecal Coliform	4A			5.76	2002	2014
	Escherichia coli	4A			3.22	2008	2020
	Escherichia coli	4A			2.54	2008	2014
B19R-01-BAC	Mossy Creek						
Recreation	Fecal Coliform	4A			10.09	1996	2010
	Escherichia coli	4A			10.09	2004	2010
B19R-01-BEN	Mossy Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			10.09	1998	2010



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B21R-01-BAC	Dry River						
Recreation	Fecal Coliform	4A			6.32	1998	2000
	Escherichia coli	4A			6.32	2004	2000
B21R-02-BAC	Honey Run						
Recreation	Fecal Coliform	4A			4.15	2004	2001
B22R-01-BAC	Muddy Creek						
Recreation	Fecal Coliform	4A			10.31	1996	2002
	Escherichia coli	4A			10.31	2004	2002
B22R-01-BEN	Muddy Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			10.31	1996	2002
B22R-01-NO3	Muddy Creek						
Public Water Supply	Nitrogen, Nitrate	4A			2.17	2004	2002
B23R-01-BEN	North River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			15.70	1998	2010
B24R-01-BAC	Long Glade Creek						
Recreation	Fecal Coliform	4A			10.71	1998	2010
	Escherichia coli	4A			10.71	2008	2010
B25R-01-BAC	Cooks Creek						
Recreation	Fecal Coliform	4A			13.31	1996	2002
	Escherichia coli	4A			13.31	2004	2002
B25R-01-BEN	Cooks Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			13.31	1996	2002
B25R-02-BAC	Silver Creek						
Recreation	Fecal Coliform	4A			0.19	2002	2004
B25R-03-BAC	Sunset Heights Branch						
Recreation	Fecal Coliform	4A			4.31	2004	2002
B26R-01-BAC	Blacks Run						
Recreation	Fecal Coliform	4A			10.70	1996	2010
	Escherichia coli	4A			10.70	2004	2010
B26R-01-BEN	Blacks Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			10.70	1996	2010
B27R-01-BAC	Pleasant Run						
Recreation	Fecal Coliform	4A			6.30	1996	2004
	Escherichia coli	4A			6.30	2004	2004
B27R-01-BEN	Pleasant Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			6.30	1996	2004
B28R-01-BAC	Naked Creek						
Recreation	Fecal Coliform	4A			6.85	1996	2002
	Escherichia coli	4A			6.85	2004	2002



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Potomac and Shenandoah River Basins

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B29R-01-BAC	Congers Creek/Duck Run/Mill Creek						
Recreation	Fecal Coliform	4A			8.68	1996	2004
	Escherichia coli	4A			5.93	2004	2004
	Fecal Coliform	4A			5.51	2004	2004
B29R-01-BEN	Mill Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			5.93	1996	2004
B30R-01-BAC	South River						
Recreation	Fecal Coliform	4A			11.81	1996	2004
	Escherichia coli	4A			11.81	2008	2004
B30R-03-BAC	Pine Run						
Recreation	Escherichia coli	4A			15.73	2006	2004
B34R-01-BAC	Cub Run						
Recreation	Fecal Coliform	4A			13.88	1998	2004
	Escherichia coli	4A			13.88	2004	2004
B35R-02-BEN	Quail Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.89	1998	2003
B38R-01-BAC	Mill Creek						
Recreation	Fecal Coliform	4A			6.74	1998	2004
	Escherichia coli	4A			6.74	2008	2004
B39R-01-BAC	Pass Run						
Recreation	Fecal Coliform	4A			9.07	2002	2014
	Escherichia coli	4A			9.07	2004	2014
B39R-02-BAC	Hawksbill Creek						
Recreation	Fecal Coliform	4A			12.20	2002	2004
	Escherichia coli	4A			12.20	2004	2004
	Escherichia coli	4A			7.03	2006	2004
B39R-03-BAC	East Hawksbill Creek						
Recreation	Escherichia coli	4A			9.13	2006	2004
B41R-02-PCB	South Fork Shenandoah River/North Fork Shenandoah River/Shenandoah River						
Fish Consumption	PCB in Fish Tissue	4A			47.46	1998	2002
B43R-01-BAC	Little Dry River						
Recreation	Fecal Coliform	4A			34.75	2004	2008
B45R-01-BAC	Long Meadow Run						
Recreation	Escherichia coli	4A			8.53	2008	2010
B45R-03-BAC	Holmans Creek						
Recreation	Fecal Coliform	4A			10.42	1996	2004
	Escherichia coli	4A			10.42	2008	2004
B45R-03-BEN	Holmans Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			10.42	1996	2004



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Cause Group Code	Water Name	Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
B45R-04-BAC	North Fork Shenandoah River							
Recreation		Fecal Coliform	4A			30.07	1996	2010
		Escherichia coli	4A			23.65	2008	2010
		Fecal Coliform	4A			1.79	2008	2010
B46R-01-BAC	Linville Creek							
Recreation		Fecal Coliform	4A			8.29	1996	2016
		Fecal Coliform	4A			5.20	1996	2004
		Escherichia coli	4A			5.20	2004	2004
		Escherichia coli	4A			8.29	2004	2016
B46R-01-BEN	Linville Creek							
Aquatic Life		Benthic-Macroinvertebrate Bioassessments	4A			5.20	1996	2004
		Benthic-Macroinvertebrate Bioassessments	4A			8.29	1996	2016
B47R-02-BAC	Mountain Run/Smith Creek/War Branch							
Recreation		Fecal Coliform	4A			33.83	1996	2004
		Escherichia coli	4A			5.98	2006	2004
		Escherichia coli	4A			32.00	2008	2004
B47R-03-BEN	Lacey Spring Branch							
Aquatic Life		Benthic-Macroinvertebrate Bioassessments	4A			0.58	1998	2002
B47R-05-BEN	Smith Creek							
Aquatic Life		Benthic-Macroinvertebrate Bioassessments	4A			13.59	1998	2004
		Benthic-Macroinvertebrate Bioassessments	4A			6.33	2004	2004
		Benthic-Macroinvertebrate Bioassessments	4A			5.27	2006	2004
B47R-06-BAC	Dry Fork							
Recreation		Fecal Coliform	4A			10.06	2004	2004
B48R-01-BAC	Mill Creek							
Recreation		Fecal Coliform	4A			15.00	2002	2014
B48R-01-BEN	Mill Creek							
Aquatic Life		Benthic-Macroinvertebrate Bioassessments	4A			2.81	1998	2010
		Benthic-Macroinvertebrate Bioassessments	4A			12.19	2004	2010
B49R-01-BAC	Stony Creek							
Recreation		Fecal Coliform	4A			1.54	1998	2010
		Fecal Coliform	4A			4.22	2002	2010
		Fecal Coliform	4A			6.95	2004	2016
		Fecal Coliform	4A			4.33	2006	2018
		Escherichia coli	4A			12.71	2008	2010
B50R-01-BEN	Toms Brook							
Aquatic Life		Benthic-Macroinvertebrate Bioassessments	4A			7.17	1998	2004
B52R-02-BEN	Orndorff Spring Branch							
Aquatic Life		Benthic-Macroinvertebrate Bioassessments	4A			0.23	1998	2004



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Potomac and Shenandoah River Basins

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Impaired Use	Cause						

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreational Use.

* Multiple listings are due to the same impairments for different uses and/or different initial listing dates for adjacent waters.



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

James River Basin

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
G02R-01-BAC	Fourmile Creek						
Recreation	Escherichia coli	4A			23.96	2006	2004
	Escherichia coli	4A			5.88	2006	2014
G05R-01-BEN	Chickahominy River, UT - Unnamed Tributary						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			1.11	1996	2004
	pH	4A			0.61	2006	2018
	pH	4A			1.11	2006	2004
G06R-03-BAC	White Oak Swamp						
Recreation	Escherichia coli	4A			6.52	2006	2004
G13E-13-BAC	Upper Nansemond River and Shingle Creek						
Recreation	Enterococcus	4A	0.301			1994	2010
G13E-13-SF	Nansemond River Mainstem, Western Branch, Shingle, Burnetts Mill, Star & Oyster House Creeks and Unsegmented Estuaries - Upper Nansemond River.						
Shellfishing	Fecal Coliform	4A	5.499			1994	2010
	Fecal Coliform	4A	0.343			1998	2010
H01R-01-BAC	Reed Creek						
Recreation	Escherichia coli	4A			8.37	2004	2004
H09R-01-BEN	Montebello Spring Branch						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			0.10	1998	2002
H17R-01-BAC	Totier Creek						
Recreation	Fecal Coliform	4A			10.23	2002	2010
	Escherichia coli	4A			9.50	2008	2010
H21R-03-BAC	North River						
Recreation	Escherichia coli	4A			5.24	2008	2014
H22R-01-BAC	Slate River						
Recreation	Escherichia coli	4A			10.97	2008	2020
H28R-02-BAC	Moore's Creek						
Recreation	Fecal Coliform	4A			6.37	2002	2002
	Escherichia coli	4A			6.37	2008	2002
H35R-01-BAC	Willis River						
Recreation	Fecal Coliform	4A			11.45	2004	2002
H35R-02-BAC	Willis River, Unnamed Tributary						
Recreation	Fecal Coliform	4A			1.71	2004	2002
H36R-01-BAC	Willis River						
Recreation	Escherichia coli	4A			14.55	2006	2002
H36R-02-BAC	Randolph Creek						
Recreation	Escherichia coli	4A			11.65	2006	2002



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James River Basin

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
H39R-02-BAC	Tuckahoe Creek Watershed						
Recreation	Escherichia coli	4A			9.64	2002	2004
	Fecal Coliform	4A			6.15	2004	2004
	Escherichia coli	4A			7.48	2006	2004
	Escherichia coli	4A			1.68	2006	2018
	Escherichia coli	4A			8.72	2008	2004
I14R-01-BEN	Pheasanty Run						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			0.44	1998	2002
I26R-01-BAC	Looney Creek Drainage						
Recreation	Escherichia coli	4A			2.47	1998	2004
I32R-01-BEN	Wallace Mill Stream						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			0.89	1998	2004
J01R-01-BAC	Appomattox River						
Recreation	Escherichia coli	4A			80.59	2006	2004
J02R-01-BAC	Spring Creek						
Recreation	Escherichia coli	4A			5.52	2006	2004
J03R-01-BAC	Little Sandy Creek						
Recreation	Escherichia coli	4A			6.16	2006	2004
J04R-01-BAC	Bush River						
Recreation	Escherichia coli	4A			4.20	2006	2004
	Escherichia coli	4A			0.77	2008	2004
J05R-01-BAC	Briery Creek						
Recreation	Escherichia coli	4A			10.10	2006	2004
J06R-01-BAC	Angola Creek						
Recreation	Escherichia coli	4A			6.79	2006	2004
J06R-03-BAC	Horsepen Creek						
Recreation	Escherichia coli	4A			3.82	2006	2004
J06R-04-BAC	Saylers Creek						
Recreation	Escherichia coli	4A			4.94	2004	2004
J08R-01-BAC	Flat Creek						
Recreation	Escherichia coli	4A			4.00	2006	2004
J08R-02-BAC	Flat Creek						
Recreation	Escherichia coli	4A			31.29	2008	2020
J09R-01-BAC	Nibbs Creek						
Recreation	Escherichia coli	4A			5.45	2006	2010
J11R-01-BAC	Deep Creek						
Recreation	Escherichia coli	4A			11.19	2006	2004



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

James River Basin

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
J11R-06-BAC Recreation	West Creek Escherichia coli	4A			7.24	2006	2004
J12R-08-BAC Recreation	Appomattox River Escherichia coli	4A			8.73	2008	2020
J15E-01-BAC Recreation	Appomattox River Escherichia coli	4A	1.625			2008	2010
J15R-01-BAC Recreation	Appomattox River Fecal Coliform	4A			7.50	2002	2004
J16R-01-BAC Recreation	Swift Creek Escherichia coli	4A			1.79	2006	2004
J17E-01-BAC Recreation	Swift Creek Escherichia coli	4A	0.087			2006	2018
J17R-01-BAC Recreation	Swift Creek Escherichia coli	4A			7.10	2006	2004
J17R-04-BAC Recreation	Swift Creek Escherichia coli	4A			5.08	2006	2018

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreational Use.

* Multiple listings are due to the same impairments for different uses and/or different initial listing dates for adjacent waters.



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Rappahannock River Basin

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
E01R-01-BAC Recreation	Thumb Run Fecal Coliform	4A			6.87	1996	2002
E02R-01-BAC Recreation	Carter Run Escherichia coli	4A			3.53	1998	2005
E02R-02-BAC Recreation	Great Run Escherichia coli	4A			15.63	2004	2005
E07R-01-BAC Recreation	Muddy Run Escherichia coli	4A			5.56	1996	2004
	Escherichia coli	4A			7.04	2002	2004
E09R-01-BAC Recreation	Mountain Run Escherichia coli	4A			7.39	1996	2001
E10R-01-BAC Recreation	Deep Run Escherichia coli	4A			4.80	1996	2004
E14R-01-BAC Recreation	Robinson River Escherichia coli	4A			3.65	2002	2005
E15R-01-BAC Recreation	Little Dark Run Escherichia coli	4A			1.99	1998	2005
	Escherichia coli	4A			2.27	2008	2005
E15R-02-BAC Recreation	Robinson River Escherichia coli	4A			5.21	2004	2005
E17R-01-BAC Recreation	Mine Run Escherichia coli	4A			9.93	2002	2005
E17R-02-BAC Recreation	Mountain Run Escherichia coli	4A			9.80	2002	2005
E25E-01-SF Shellfishing	Lagrange Creek Fecal Coliform	4A	0.596			1998	2005
E25E-02-SF Shellfishing	Robinson Creek Fecal Coliform	4A	0.205			1998	2005
E25E-04-SF Shellfishing	Urbanna Creek Fecal Coliform	4A	0.238			1998	2005
E25E-05-SF Shellfishing	Farnham Creek Fecal Coliform	4A	0.421			1998	2010
E25E-07-SF Shellfishing	Parrotts Creek Fecal Coliform	4A	0.153			1998	2005
E25E-09-SF Shellfishing	Weeks Creek Fecal Coliform	4A	0.123			1998	2010
E25E-10-SF Shellfishing	Deep Creek Fecal Coliform	4A	0.049			1998	2010



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Rappahannock River Basin

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
E25E-11-SF Shellfishing	Lancaster Creek Fecal Coliform	4A	0.270			1998	2010
E25E-13-SF Shellfishing	Mulberry Creek Fecal Coliform	4A	0.148			1998	2010
E25E-14-SF Shellfishing	Beach Creek Fecal Coliform	4A	0.070			1998	2010
E25E-15-SF Shellfishing	Greenvale Creek Fecal Coliform	4A	0.084			1998	2010
E26E-01-SF Shellfishing	Meachim Creek Fecal Coliform	4A	0.130			1998	2005
E26E-02-SF Shellfishing	Meachim Creek Fecal Coliform	4A	0.032			1998	2005
E26E-10-SF Shellfishing	Bush Park Creek Fecal Coliform	4A	0.102			1998	2010
E26E-11-SF Shellfishing	Mill Creek Fecal Coliform	4A	0.122			1998	2010
E26E-12-SF Shellfishing	Sturgeon Creek Fecal Coliform	4A	0.083			1998	2010
E26E-13-SF Shellfishing	Locklies Creek Fecal Coliform	4A	0.101			1998	2010
E26E-17-SF Shellfishing	Eastern Branch Carter Creek Fecal Coliform	4A	0.084			1998	2010
E26E-19-SF Shellfishing	Carter Creek Fecal Coliform	4A	0.058			1998	2010
E26E-21-SF Shellfishing	Broad Creek Fecal Coliform	4A	0.025			1998	2010
E26E-24-SF Shellfishing	Whiting Creek Fecal Coliform	4A	0.193			1998	2005
E26E-30-SF Shellfishing	Carter Cove Fecal Coliform	4A	0.056			2002	2014

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreational Use.

* Multiple listings are due to the same impairments for different uses and/or different initial listing dates for adjacent waters.



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Roanoke and Yadkin River Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
L02R-02-BAC Recreation	Wilson Creek and Wilson Creek, UT Escherichia coli	4A			6.92	2004	2006
L04R-01-BAC Recreation	Roanoke River and Smith Mountain Lake Escherichia coli	4A		350.06	29.51	2006	2006
L04R-01-BEN Aquatic Life	Roanoke River Benthic-Macroinvertebrate Bioassessments	4A			11.31	1996	2006
L04R-04-BAC Recreation	Ore Branch Escherichia coli	4A			2.42	2006	2006
L05R-01-BAC Recreation	Tinker Creek Escherichia coli	4A			19.33	2006	2004
L05R-02-BAC Recreation	Carvin Creek Escherichia coli Escherichia coli	4A 4A			1.79 3.55	2004 2006	2004 2004
L05R-03-BAC Recreation	Glade Creek Escherichia coli	4A			12.57	2006	2004
L05R-04-BAC Recreation	Lick Run Escherichia coli	4A			9.36	2004	2004
L05R-05-BAC Recreation	Laymantown Creek Escherichia coli	4A			2.07	2006	2004
L07R-01-BAC Recreation	Beaverdam Creek Escherichia coli	4A			4.76	2006	2006
L08R-01-BAC Recreation	Green Creek Escherichia coli	4A			3.90	2008	2001
L08R-02-BAC Recreation	Blackwater River, South Fork Escherichia coli	4A			6.04	2004	2001
L08R-03-BAC Recreation	Blackwater River, North Fork Escherichia coli Escherichia coli	4A 4A			3.24 8.96	2004 2006	2001 2001
L08R-03-BEN Aquatic Life	Blackwater River, North Fork Benthic-Macroinvertebrate Bioassessments	4A			3.24	1996	2004
L08R-04-BAC Recreation	Blackwater River (Upper) Escherichia coli	4A			28.21	2004	2001
L08R-04-BEN Aquatic Life	Blackwater River Benthic-Macroinvertebrate Bioassessments	4A			5.61	1996	2004
L08R-05-BAC Recreation	Little Creek and Little Creek, UT (XKF) Escherichia coli Escherichia coli	4A 4A			7.60 0.99	2004 2006	2001 2001



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Roanoke and Yadkin River Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date	
L08R-06-BAC Recreation	Teels Creek Escherichia coli	4A			4.59	2004	2001	
L09R-01-BAC Recreation	Maggodee Creek Escherichia coli Escherichia coli	4A 4A			14.80 0.98	2004 2006	2001 2001	
L09R-02-BAC Recreation	Mollie Branch Escherichia coli Escherichia coli	4A 4A			0.76 1.76	2004 2006	2001 2001	
L10R-01-BAC Recreation	Blackwater River (Lower), Foul Ground Creek and Smith Mountain Lake (Blackwater Riverine) Escherichia coli Fecal Coliform Escherichia coli	4A 4A 4A				3.07 4.04 8.22	2004 2004 2006	2001 2001 2001
L11R-01-BAC Recreation	Gills Creek Fecal Coliform Escherichia coli	4A 4A				10.71 8.60	1996 2004	2002 2002
L13L-02-BAC Recreation	Leesville Lake Escherichia coli	4A			157.23		2006 2006	
L13R-01-BAC Recreation	Old Womans Creek Escherichia coli	4A				4.85	2006 2010	
L14R-01-BAC Recreation	Pigg River and Doe Run Escherichia coli Escherichia coli	4A 4A				24.14 10.86	2006 2008	2006 2006
L14R-02-BAC Recreation	Storey Creek Escherichia coli	4A				11.60	2006 2006	
L17R-01-BAC Recreation	Snow Creek and Turkeycock Creek Escherichia coli	4A				10.99	2006 2006	
L18R-01-BAC Recreation	Pigg River Escherichia coli	4A				28.89	2006 2006	
L19R-01-BAC Recreation	Roanoke (Staunton) River Escherichia coli Escherichia coli Escherichia coli	4A 4A 4A				25.37 18.46 3.16	2006 2006 2008	2010 2006 2006
L23R-01-BAC Recreation	Big Otter River and Sheeps Creek Fecal Coliform Escherichia coli	4A 4A				7.91 9.47	1996 2006	2001 2001
L25R-01-BAC Recreation	Big Otter River, Elk Creek and North Otter Creek Fecal Coliform Escherichia coli	4A 4A				13.83 23.55	2004 2008	2001 2001



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Roanoke and Yadkin River Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
L26R-01-BAC	Little Otter River and Machine Creek						
Recreation	Fecal Coliform	4A			31.01	1996	2001
	Escherichia coli	4A			7.29	2008	2001
L27R-01-BAC	Big Otter River and Falling Creek						
Recreation	Fecal Coliform	4A			5.40	2002	2001
	Fecal Coliform	4A			5.72	2004	2001
L34R-01-BAC	Falling River						
Recreation	Fecal Coliform	4A			7.62	1998	2004
	Escherichia coli	4A			10.47	2006	2004
	Escherichia coli	4A			7.39	2006	2016
	Escherichia coli	4A			17.88	2006	2018
	Fecal Coliform	4A			17.88	2006	2018
L36R-01-BAC	Turnip Creek						
Recreation	Escherichia coli	4A			15.95	2006	2018
	Escherichia coli	4A			2.68	2006	2010
L37R-01-BAC	Cub Creek						
Recreation	Escherichia coli	4A			8.53	2006	2018
	Escherichia coli	4A			5.72	2006	2010
	Escherichia coli	4A			8.35	2006	2006
L39R-01-BEN	Ash Camp Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			7.49	1998	2004
L39R-02-BEN	Twittys Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			15.09	1998	2004
L40R-05-BAC	Buffalo Creek, Unnamed Tributary						
Recreation	Escherichia coli	4A			1.48	2002	2014
L40R-06-BAC	Buffalo Creek						
Recreation	Escherichia coli	4A			2.34	2006	2016
L43R-01-BAC	South Mayo River						
Recreation	Escherichia coli	4A			5.78	2006	2004
L63R-01-BAC	Birch Creek						
Recreation	Escherichia coli	4A			19.71	2004	2004
L78R-01-DO	Roanoke River						
Aquatic Life	Oxygen, Dissolved	4B			5.72	1998	2010
	Oxygen, Dissolved	4B		1,380.64		2004	2010
L79R-01-BAC	Flat Creek						
Recreation	Escherichia coli	4A			1.67	2006	2018
	Fecal Coliform	4A			1.67	2006	2018
	Escherichia coli	4A			6.19	2006	2004



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Roanoke and Yadkin River Basins

Cause Group Code	Water Name	Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
Impaired Use	Cause							
L79R-01-BEN	Flat Creek							
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A				7.75	1996	2004
	Benthic-Macroinvertebrate Bioassessments	4A				1.67	2008	2004

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreational Use.

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2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Chowan River and Dismal Swamp Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
K03R-01-BAC Recreation	Flat Rock Creek Fecal Coliform	4A			14.29	2002	2010
K03R-02-BAC Recreation	Flat Rock Creek Escherichia coli	4A			5.21	2006	2018
K03R-03-BAC Recreation	Broad Branch Escherichia coli	4A			3.46	2006	2018
K07R-02-BAC Recreation	Roses Creek Escherichia coli	4A			9.81	2006	2010
K14R-01-BAC Recreation	Nottoway River Escherichia coli	4A			16.93	2006	2005
K14R-02-BAC Recreation	Big Hounds Creek Escherichia coli	4A			10.07	2006	2005
K15R-01-BAC Recreation	Little Nottoway River Escherichia coli	4A			9.82	2006	2005
K16R-01-BEN Aquatic Life	Hurricane Branch, Unnamed Tributary Benthic-Macroinvertebrate Bioassessments	4A			1.02	1994	2004
K16R-02-BAC Recreation	Beaver Pond Creek Escherichia coli	4A			7.14	2004	2005
K25R-02-BAC Recreation	Raccoon Creek Escherichia coli	4A			19.34	2008	2010
K32R-02-BEN Aquatic Life	Spring Branch Benthic-Macroinvertebrate Bioassessments	4A			3.81	1998	2010
K32R-02-PH Aquatic Life	Spring Branch pH	4A			3.81	2008	2020
K32R-07-BAC Recreation	Cypress Swamp Tributaries Escherichia coli	4A			66.29	2006	2005
K32R-08-BAC Recreation	Cypress Swamp Escherichia coli	4A			16.35	2006	2014
K41R-02-BAC Recreation	Milldam Creek - Lower Escherichia coli	4A			2.50	1998	2010
K42E-01-BAC Recreation	Nawney Creek - Upper Enterococcus	4A	0.022			2004	2016
K42E-02-BAC Recreation	Nawney Creek - Lower Enterococcus	4A	0.018			2006	2018

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreational Use.

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2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Tennessee and Big Sandy River Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
O05R-01-BAC	Three Creeks						
Recreation	Escherichia coli	4A			11.32	1994	2001
	Fecal Coliform	4A			11.28	1994	2001
	Fecal Coliform	4A			6.80	2002	2001
	Escherichia coli	4A			0.49	2004	2001
O05R-01-BEN	Three Creeks						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			32.62	2004	2004
O07R-01-BAC	Beaver Creek & tributaries						
Recreation	Escherichia coli	4A			2.67	2004	2002
	Fecal Coliform	4A			2.12	2004	2002
	Escherichia coli	4A			14.70	2006	2004
	Escherichia coli	4A			2.12	2006	2002
O07R-01-BEN	Beaver Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			14.70	1998	2004
O11R-03-BEN	North Fork Holston River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.83	2006	2010
P01R-01-BEN	Clinch River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			5.50	2002	2004
P04R-01-BEN	Lewis Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.83	1998	2004
P08R-01-BAC	Dumps Creek						
Recreation	Escherichia coli	4A			3.41	2006	2018
P08R-01-BEN	Dumps Creek						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.41	1994	2002
P11R-01-BEN	Guest River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			3.02	1996	2004
	Benthic-Macroinvertebrate Bioassessments	4A			18.76	2006	2004
P11R-05-BAC	Crab Orchard Creek						
Recreation	Escherichia coli	4A			2.42	2004	2004
P11R-06-BAC	Little Tom's Creek						
Recreation	Escherichia coli	4A			4.38	2004	2004
P11R-08-BAC	Toms Creek						
Recreation	Escherichia coli	4A			11.60	2004	2004
P17R-01-BAC	Callahan Creek						
Recreation	Fecal Coliform	4A			3.43	2004	2006
	Fecal Coliform	4A			1.67	2004	2016
	Escherichia coli	4A			3.43	2006	2006
	Escherichia coli	4A			1.67	2008	2020



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Tennessee and Big Sandy River Basins

Cause Group Code	Water Name	Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
P17R-01-BEN	Callahan Creek							
Aquatic Life		Benthic-Macroinvertebrate Bioassessments	4A			1.67	1998	2006
P17R-03-BEN	Black Creek							
Aquatic Life		Benthic-Macroinvertebrate Bioassessments	4A			4.19	2002	2004
P20R-00-BEN	Straight Creek & tributaries							
Aquatic Life		Benthic-Macroinvertebrate Bioassessments	4A			6.64	1996	2006
P20R-02-BAC	Straight Creek							
Recreation		Escherichia coli	4A			6.64	2002	2006
Q03R-01-BEN	Pawpaw Creek							
Aquatic Life		Benthic-Macroinvertebrate Bioassessments	4A			4.53	1994	2006
Q03R-02-BAC	Knox Creek							
Recreation		Escherichia coli	4A			9.36	2002	2006
		Fecal Coliform	4A			7.56	2002	2006
		Escherichia coli	4A			7.56	2006	2006
Q03R-02-BEN	Knox Creek							
Aquatic Life		Benthic-Macroinvertebrate Bioassessments	4A			16.92	1996	2006
Q04R-02-BAC	Garden Creek							
Recreation		Fecal Coliform	4A			1.80	1998	2008
		Escherichia coli	4A			1.80	2008	2020
		Escherichia coli	4A			5.77	2008	2008
		Escherichia coli	4A			9.97	2008	
Q04R-02-BEN	Garden Creek							
Aquatic Life		Benthic-Macroinvertebrate Bioassessments	4A			15.74	2008	2008
Q12R-01-BEN	Russell Prater Creek							
Aquatic Life		Benthic-Macroinvertebrate Bioassessments	4A			11.28	1996	2006

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreational Use.

* Multiple listings are due to the same impairments for different uses and/or different initial listing dates for adjacent waters.



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
C01E-01-SF Shellfishing	Great Wicomico River Fecal Coliform	4A	0.424			1998	2010
C01E-02-SF Shellfishing	Balls Creek Fecal Coliform	4A	0.064			1998	2010
C01E-03-SF Shellfishing	Tipers Creek Fecal Coliform	4A	0.077			1998	2010
C01E-05-SF Shellfishing	Whays Creek Fecal Coliform	4A	0.042			1998	2010
C01E-06-SF Shellfishing	Warehouse Creek Fecal Coliform	4A	0.069			1998	2010
C01E-09-SF Shellfishing	Prentice Creek Fecal Coliform	4A	0.015			1998	2010
C01E-12-SF Shellfishing	Mill Creek Fecal Coliform	4A	0.238			1998	2010
C01E-13-SF Shellfishing	Cloverdale Creek Fecal Coliform	4A	0.021			1998	2010
C01E-15-SF Shellfishing	Dividing Creek, Lawrence Creek, Natty Pont Cove Fecal Coliform	4A	0.231			1998	2010
C01E-18-SF Shellfishing	Unnamed Cove of Dividing Creek Fecal Coliform	4A	0.013			1998	2010
C01E-19-SF Shellfishing	Prentice Creek Fecal Coliform	4A	0.009			1998	2010
C03E-02-SF Shellfishing	Piankatank River/Harpers Creek Fecal Coliform	4A	2.447			1998	2010
C03E-05-SF Shellfishing	Wilton Creek Fecal Coliform	4A	0.134			1998	2005
C03E-06-SF Shellfishing	Healy Creek Fecal Coliform	4A	0.049			1998	2005
C03E-08-SF Shellfishing	Jackson Creek Fecal Coliform	4A	0.034			1998	2010
C03E-11-SF Shellfishing	Cobbs Creek Fecal Coliform	4A	0.045			1998	2010
C04E-08-SF Shellfishing	North River Fecal Coliform	4A	0.330			1998	2010
C04E-09-SF Shellfishing	Elmington Creek Fecal Coliform	4A	0.023			1998	2010



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
C04E-10-SF Shellfishing	Back Creek Fecal Coliform	4A	0.085			1998	2010
C04E-11-SF Shellfishing	Blackwater Creek / Greenmansion Cove Fecal Coliform	4A	0.051			1998	2010
C05E-01-SF Shellfishing	Ware River / Fox Mill Run Fecal Coliform	4A	0.339			1998	2010
C05E-02-SF Shellfishing	Wilson Creek Fecal Coliform	4A	0.032			1998	2010
C06E-01-SF Shellfishing	Northwest Branch Severn River / Vaughns Creek Fecal Coliform	4A	0.455			1998	2010
C06E-02-SF Shellfishing	Monday Creek Fecal Coliform	4A	0.056			1998	2010
C06E-04-SF Shellfishing	Heywood Creek Fecal Coliform	4A	0.166			1998	2010
C06E-05-SF Shellfishing	Thorntons Creek Fecal Coliform	4A	0.079			1998	2010
C06E-08-SF Shellfishing	Free School Creek Fecal Coliform	4A	0.071			2008	2020
C07E-01-BAC Recreation	Brick Kiln Creek Enterococcus	4A	0.086			2004	2008
C07E-01-SF Shellfishing	Brick Kiln Creek Fecal Coliform	4A	0.086			1998	2008
C07E-02-BAC Recreation	Newmarket Creek - Upper Enterococcus	4A	0.152			2006	2008
C07E-04-BAC Recreation	Poquoson River - Upper Enterococcus	4A	0.397			1998	2010
C07E-06-SF Shellfishing	Lambs Creek - Poquoson River Fecal Coliform	4A	0.163			2004	2008
C07E-07-SF Shellfishing	Patricks Creek - Poquoson River Fecal Coliform	4A	0.098			2004	2008
C07E-08-SF Shellfishing	Roberts Creek - Upper Fecal Coliform	4A	0.104			1998	2008
C07E-09-SF Shellfishing	White House Cove Fecal Coliform	4A	0.144			1998	2008
C07E-10-BAC Recreation	Southwest Branch - Back River Fecal Coliform	4A	1.355			1998	2008



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
C07E-10-SF Shellfishing	Upper Back Creek Fecal Coliform	4A	0.222			1998	2008
C07E-11-SF Shellfishing	Poquoson River - Upper Fecal Coliform	4A	0.397			1998	2008
C07E-12-SF Shellfishing	Front Cove - Upper Fecal Coliform	4A	0.042			1998	2008
C07E-14-SF Shellfishing	Harris River - Upper Fecal Coliform	4A	0.410			1998	2008
C07E-15-SF Shellfishing	DSS Inlet #1 - Unnamed Inlet at Mouth of SW Branch Fecal Coliform	4A	0.025			1998	2008
C07E-16-SF Shellfishing	Wallace Creek - Lower (Back River) Fecal Coliform	4A	0.062			1998	2008
C07E-19-SF Shellfishing	Tabbs Creek - Back River Fecal Coliform	4A	0.104			1998	2008
C07E-21-SF Shellfishing	Cedar & Topping Creeks and Northwest Br. Back River - Upper Fecal Coliform	4A	0.328			1998	2008
C07E-22-SF Shellfishing	Newmarket Creek and Southwest Branch - Back River Fecal Coliform Fecal Coliform	4A 4A	1.355 0.152			1998 1998	2008 2010
C07E-24-SF Shellfishing	Unnamed Cove @ Crane & Adjacent Mouth Patricks Cr. And Fecal Coliform	4A	0.044		Upper Hodges Creek	2006	2018
C07E-29-BAC Recreation	Chisman & Goose Creeks Enterococcus	4A	0.560			2006	2018
C07E-32-SF Shellfishing	Chisman Creek-Upper & Goose Cr Fecal Coliform	4A	0.560			1998	2008
C07R-02-BAC Recreation	Newmarket Creek - Lower Riverine Fecal Coliform	4A			1.98	2006	2018
C08E-05-BAC Recreation	Thalia Creek, Thurston Branch, Buchanan Creek, London Bridge Creek and Western Branch, Lynnhaven River Enterococcus	4A	0.616			2006	2008
C08E-06-BAC Recreation	Eastern Branch - Upper, Lynnhaven River Enterococcus	4A	0.578			2004	2006
C08E-07-BAC Recreation	West Neck Creek (Upper) and Canal No. 2 Enterococcus	4A	0.109			1998	2008
C08E-11-SF Shellfishing	Broad Bay, Linkhorn Bay, Crystal Lake, Dey Cove/Mill Dam Creek and Long & Little Neck Creeks Fecal Coliform	4A	2.164			1998	2006
C08E-13-SF Shellfishing	Lynnhaven River System Fecal Coliform	4A	4.721			1998	2006



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
C10E-05-BAC Recreation	Messongo Creek - Upper Fecal Coliform	4A	0.052			1998	2008
C10E-12-SF Shellfishing	Guilford Creek - Upper Fecal Coliform	4A	0.119			1998	2008
C10E-15-SF Shellfishing	Young Creek - Upper Fecal Coliform	4A	0.070			1998	2008
C10E-17-SF Shellfishing	Messongo Creek - Middle Fecal Coliform	4A	0.179			1998	2008
C11E-04-BAC Recreation	North Branch, Onancock Creek Enterococcus	4A	0.021			2002	2014
C11E-05-BAC Recreation	Central Branch, Onancock Creek Enterococcus	4A	0.018			2008	2008
C11E-06-BAC Recreation	Southern Branch, Onancock Creek Enterococcus	4A	0.058			1998	2008
C11E-07-BAC Recreation	Onancock Creek Mainstem - Upper Enterococcus	4A	0.271			2008	2008
C11E-12-SF Shellfishing	Finneys Creek - Upper Fecal Coliform	4A	0.067			1998	2008
C11E-13-SF Shellfishing	Onancock Creek Mainstem-Upper, Central Branch and Cedar Creek Fecal Coliform	4A	0.352			1998	2008
C11E-14-SF Shellfishing	Southern Branch, Onancock Creek and Leatherberry Creek Fecal Coliform	4A	0.128			1998	2008
C11E-15-SF Shellfishing	Matchotank Creek - Upper Fecal Coliform	4A	0.086			2006	2008
C12E-10-SF Shellfishing	Pungoteague Creek-Upper and Lower Warehouse Prong Fecal Coliform	4A	0.510			1998	2008
C12E-11-SF Shellfishing	Taylor Creek Fecal Coliform	4A	0.165			1998	2008
C12E-12-SF Shellfishing	Underhill Creek Fecal Coliform	4A	0.091			2006	2018
C13E-11-SF Shellfishing	Church Creek - Upper Fecal Coliform	4A	0.111			1998	2010
C13E-12-SF Shellfishing	Craddock Creek - Upper, Holly Grove & Kelley Coves Fecal Coliform	4A	0.082			1998	2010
C13E-13-SF Shellfishing	Kelley and Holly Grove Coves Fecal Coliform	4A	0.168			1998	2010



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

Chesapeake Bay/Atlantic/Small Coastal Basins

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
C13E-14-SF Shellfishing	Nassawadox Creek - Upper Fecal Coliform	4A	0.238			1998	2010
C13E-15-SF Shellfishing	Occohannock Creek - Upper Fecal Coliform	4A	0.338			1998	2010
C13E-16-SF Shellfishing	Warehouse Creek - Middle Fecal Coliform	4A	0.275			1998	2010
C13E-18-SF Shellfishing	McLean Gut - Upper Fecal Coliform	4A	0.052			1998	2010
C13E-19-SF Shellfishing	Nandua Creek - Upper Fecal Coliform	4A	0.225			1998	2010
C14E-14-SF Shellfishing	The Gulf - Upper Fecal Coliform	4A	0.140			1998	2010
C14E-15-SF Shellfishing	Westerhouse Creek - North Branch Fecal Coliform	4A	0.033			1998	2010
C14E-16-SF Shellfishing	Westerhouse Creek - Upper South Branch Fecal Coliform	4A	0.034			1998	2010
C15E-10-SF Shellfishing	Kings Creek - Upper Forks Fecal Coliform	4A	0.077			1998	2010
C16E-10-SF Shellfishing	Old Plantation Creek - Upper Fecal Coliform	4A	0.044			1998	2010

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreational Use.

* Multiple listings are due to the same impairments for different uses and/or different initial listing dates for adjacent waters.



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

York River Basin

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
F01R-01-BAC Recreation	South Anna River Escherichia coli	4A			6.96	2002	2006
F02R-01-BAC Recreation	South Anna River Escherichia coli	4A			6.29	2004	2006
F03R-02-BAC Recreation	Taylors Creek Escherichia coli	4A			16.27	2008	2006
F04R-01-BAC Recreation	South Anna River Escherichia coli	4A			8.95	2008	2014
F05R-01-BAC Recreation	Newfound River Escherichia coli	4A			10.60	2008	2016
F06R-01-BAC Recreation	Mountain Run Escherichia coli	4A			2.52	1998	2005
F06R-02-BAC Recreation	Beaver Creek Escherichia coli	4A			2.51	1998	2005
F06R-03-BAC Recreation	Gold Mine Creek Escherichia coli	4A			7.33	2002	2005
F07R-01-BAC Recreation	Pamunkey Creek Escherichia coli	4A			12.15	1998	2005
F07R-02-BAC Recreation	Terrys Run Escherichia coli Escherichia coli	4A 4A			1.78 3.59	1998 2006	2005 2005
F07R-03-BAC Recreation	Plentiful Creek Escherichia coli	4A			3.12	1998	2005
F09R-01-BAC Recreation	Northeast Creek Escherichia coli	4A			1.03	2002	2006
F12R-02-BAC Recreation	Mechumps Creek Escherichia coli	4A			5.70	2006	2010
F13E-02-BAC Recreation	Pamunkey River Escherichia coli	4A	1.240			2008	2020
F13R-01-BAC Recreation	Matadequin Creek Escherichia coli	4A			4.72	2006	2014
F13R-02-BAC Recreation	Totopotomoy Creek Escherichia coli	4A			9.63	2006	2014
F13R-04-BAC Recreation	Moncuin Creek, Webb Creek Escherichia coli	4A			11.82	2006	2014
F26E-15-SF Shellfishing	Aberdeen, Carter, Cedarbush, Jones, and Timberneck Creeks Fecal Coliform	4A	0.624			1998	2010



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

York River Basin

Cause Group Code	Water Name	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
Impaired Use	Cause						
F27E-15-SF	Sarah Creek - Upper						
Shellfishing	Fecal Coliform	4A	0.450			1998	2010

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreational Use.

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2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

New River Basin

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
N06R-01-BAC Recreation	Chestnut Creek Escherichia coli	4A			3.65	2004	2006
N06R-01-BEN Aquatic Life	Chestnut Creek Benthic-Macroinvertebrate Bioassessments	4A			9.17	1994	2006
	Benthic-Macroinvertebrate Bioassessments	4A			4.81	2004	2006
N17R-01-BAC Recreation	Peak Creek Escherichia coli	4A			6.50	2006	2004
N17R-01-BEN Aquatic Life	Peak Creek Benthic-Macroinvertebrate Bioassessments	4A			3.53	1996	2004
N17R-01-CU Aquatic Life	Peak Creek Copper	4A			3.53	2006	2004
N17R-01-ZN Aquatic Life	Peak Creek Zinc	4A			3.53	2006	2004
N18R-01-BAC Recreation	Crab Creek Escherichia coli	4A			12.01	2004	2004
N18R-01-BEN Aquatic Life	Crab Creek Benthic-Macroinvertebrate Bioassessments	4A			12.01	1996	2004
N20R-01-BAC Recreation	Dodd Creek and West Fork Dodd Creek Fecal Coliform	4A			8.64	1998	2002
	Fecal Coliform	4A			0.49	2002	2002
	Escherichia coli	4A			6.28	2008	2002
N21R-03-BAC Recreation	Mill Creek, Poplar Branch, Mill Creek UTs (XDE & XDF) Fecal Coliform	4A			7.05	1996	2002
	Fecal Coliform	4A			8.20	2002	2002
N22R-02-BEN Aquatic Life	Stroubles Creek Benthic-Macroinvertebrate Bioassessments	4A			4.98	1996	2004
N22R-03-BAC Recreation	Back Creek Escherichia coli	4A			16.38	2006	2004
N22R-03-BEN Aquatic Life	Back Creek Benthic-Macroinvertebrate Bioassessments	4A			16.38	2002	2004
N31R-01-BAC Recreation	Hunting Camp Creek Escherichia coli	4A			8.45	1998	2006
N31R-01-BEN Aquatic Life	Hunting Camp Creek Benthic-Macroinvertebrate Bioassessments	4A			8.45	1998	2006



2008 Impaired Waters (Category 4A) TMDL Approved and (Category 4B) Other Control Measures Present*

New River Basin

Cause Group Code Impaired Use	Water Name Cause	Cause Category	Estuary (Sq. Miles)	Reservoir (Acres)	River (Miles)	Initial List Date	TMDL Dev. Date
N36R-01-BAC	Bluestone River						
Recreation	Escherichia coli	4A			6.05	1996	2004
	Fecal Coliform	4A			0.59	1996	2004
	Escherichia coli	4A			4.93	2002	2004
	Fecal Coliform	4A			1.63	2002	2004
	Escherichia coli	4A			2.22	2006	2004
N36R-01-BEN	Bluestone River						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			6.64	1996	2004
N37R-01-BAC	Laurel Fork						
Recreation	Escherichia coli	4A			4.54	2006	2006
N37R-01-BEN	Laurel Fork						
Aquatic Life	Benthic-Macroinvertebrate Bioassessments	4A			4.54	1996	2006
N37R-01-DO	Laurel Fork						
Aquatic Life	Oxygen, Dissolved	4A			4.54	1994	2006

VA DEQ is transitioning from Fecal Coliform bacteria to Escherichia coli (fresh water) and Enterococci (salt water) for assessing the Recreational Use.

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